REMENT BOOK

r	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	*Reference to last Measureme 8
	26.0	-	0.30	= 15.6	
	36.0	-	0.30	= 21.6	
	9.0	-	0.30	= 5.40	
	27.6	-	0.30	= 16.20	
	23.0	-	0.30	= 13.80	
				72.60 sqm	
	14.0	-	0.30	= 8.40	
	13.0	-	0.30	= 7.80	
	12.0	-	0.30	= 7.20	
	11.0	-	0.30	= 6.60	
	24.0	-	0.30	= 14.40	
	28.0	-	0.30	= 16.80	
	36.0	-	0.30	= 21.60	
				264.60 sqm	

Actly. N.D
DE(W)

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494324

1st and final bill:-

erial No. MAIN-BILL

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.01:- Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled and breating of clods etc., complete as per specifications.						62366.00
	Qty vide page no. 4944/494319 →				426.01	cum	80515.90
	At the rate of Rs. 189.0 →				Limit 426	329.98	
	2nd No.02:- Construction of embankment with material gravel/moorum, with all lifts and leads, transporting to site, spreading and form required slopes & compacting to meet requirement.						
	Qty vide page no. 4944/494321 →				581.42	cum	Limit 231.10

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	At the rate of Rs. 300.00 →						174426.00
							69330-
Item No. 03:-	Providing, laying, spreading and compacting crushed stone aggregates of granite [trap] basalt to wet mix-macadam specification including pre-mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc., complete, as per specifications.						
	Qty vide page no. 4944/4943 →					98.38 cum	
	At the rate of Rs. 1700.0 →					Limit 78.75	167246.00
							133875-

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
Item No. 04:-	Providing and with OPC cement @180kg coarse aggregates @0.8 concrete laid in layers r and plinth, including cos etc, complete as per spe the work., Qty vide page At the rate

T BOOK

ensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			174426.00
			69330 —
			d compacting crushed stone
			to wet mix - macadam
			e material with water at OMC
			mixed method of tipper to site,
			r in sub-base/base course by
			g with vibratory roller to achieve
			per specifications.
		78.38 cum	
		Limit 78.75	167246.00
			133875 —

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494325

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 04:- Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs with 40mm and down size graded granite metal coarse aggregates @0.85 cum and fine aggregate @0.57cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundations and plinth, including cost of all materials, labour, hire of machinery, curing etc, complete as per specifications and directions of engineer-incharge of the work.,						
	Qty vide page no. 494/494323 →					192.08 cum	
	At the rate of Rs. 4920.00 →					Limit 173.33	945033.60
							852784 - 60

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item-No-05	Providing and removing, centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth & string courses cost of all materials, labour etc., complete as per specifications.,						
	Qty vide page no. 4944 / 494323 →				234.0 sqm		79380 —
	At the rate of Rs. 300.00 →				264.60		70200.00
Item-No-06	Cement concrete pavement:- Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause.,						
	Jakkur agasarahatti						
	0-30	01	30.0	1.50	0.12	= 5.40	
	30-40	01	10.0	3.80	0.12	= 4.50	
						9.90	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	0-30	01
	30-48	01
	Jakkur colony: 0-26	01
	0-36	01
	0-9	01
	0-27	01
	0-23	01
	Road besides Anjenaya temp	
	0-30	01
	30-60	01

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
g, shuttering, strutting, propping				
tical surface such as walls at				
pilasters, buttresses, plinth &				
, labour etc., complete as				
323 → 234.05 sqm				79380
264.60				70200.00
struction of un-reinforced plain				
as per design, over a prepared				
her type as per elause.,				
	1.50	0.12	= 5.40	
	3.80	0.12	= 4.50	
			9.90	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494326

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2		Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 9.90 7	Reference to last Measurement 8
		0-30	01	30.0	2.20	0.12	= 7.74	
		30-48	01	18.0	4.80	0.12	= 10.37	
							28.01 cum	
	Jakkur colony:	0-26	01	26.0	2.40	0.12	= 7.49	
		0-36	01	36.0	1.50	0.12	= 6.48	
		0-9	01	9.6	1.50	0.12	= 1.62	
		0-27	01	27.0	3.50	0.12	= 11.34	
		0-23	01	23.0	1.10	0.12	= 3.04	
							29.97 cum	
	Road besides Anjenaya temple:-							
		0-30	01	30.0	3.50	0.12	= 12.6	
		30-60	01	30.0	2.0	0.12	= 7.20	

105.79

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents 105.79	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		01	30.0	2.20	0.12	= 7.92	
	90-94	01	4.0	2.86	0.12	= 1.35	
						29.07 cum	
	Hoodi - layout:						
	GE/1/TC/124 0-14	01	14.0	4.80	0.12	= 8.06	
	14-27	01	13.0	2.80	0.12	= 4.37	
	H-16 0-12	01	12.0	5.90	0.12	= 8.50	
	12-23	01	11.0	4.50	0.12	= 5.94	
	H.453/2 0-24	01	24.0	5.90	0.10	= 14.16	
	GE/07/TC/124/01/5/A/01/H: 0-28	01	28.0	4.0	0.10	= 11.20	
						52.23 cum	
	~~Jakkur colony - Crossroad:~~	~~01~~	~~36.0~~	~~4.0~~	~~0.10~~	= ~~14.40~~	
					Total =	139.98 cum	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Qty ltd to 139.9
	At the rate of Rs.
	Item No.07:- Vaccum-de-wat
	-ction with skin floater
	HDM of machinery, scree
	complete as per specifie
	Jakkur agasarahatti - 30-40
	Jakkur colony:- 0-26
	0-36
	0-9

IT BOOK

ensions		Contents 105.79	*Reference to last Measurement
Breadth 5	Depth 6	7	8
2.20	0.12	= 7.92	
2.80	0.12	= 1.35	
		29.07 cum	
4.80	0.12	= 8.06	
2.80	0.12	= 4.37	
5.90	0.12	= 8.50	
4.50	0.12	= 5.94	
5.90	0.10	= 14.16	
4.0	0.10	= 11.20	
		52.23 cum	
~~4.0~~	~~0.10~~	= ~~11.20~~	
Total =		139.28 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494327

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty ltd to 139.28 cum Limit 138.66						74831-00.
	At the rate of Rs. 5350.00 →						822081.00
	Item No.07:- Vaccum-de-watering with vacuum pump and suction mat and compaction with skin floaters clubbed with floating disc including cost of generator HOM of machinery, screed vibratory, power floater, blade and disc etc complete as per specification.						
	Jakkur agasarahatti - 30-40	01	10.0	3.80	-	= 37.50	
	Jakkur colony:- 0-26	01	26.0	2.40	-	= 62.40	
	0-36	01	36.0	1.50	-	= 54.0	
	0-9	01	9.0	1.50	-	= 13.50	
						167.40	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth	167.40	
1	2	3	4	5	6	7	8
	0-27	01	27.0	3.50	-	= 94.50	
	0-23	01	23.0	1.10	-	= 25.30	
						2892.0 sqm	
	Road besides Anjenaya temple:-						
	0.30	01	30.6	3.50	-	= 105.0	
	30-60	01	30.0	2.00	-	= 60.0	
	60-90	01	30.0	2.20	-	= 66.0	
	90-94	01	4.0	2.80	-	= 11.20	
						242.20 sqm	
	Hoodi layout:-						
	GE/1/TC/124 0-14	01	14.0	4.80	-	= 67.2	
	14-27	01	13.0	2.80	-	= 36.40	
	H-16 0-12	01	12.0	5.90	-	= 70.80	
	12-23	01	11.6	4.50	-	= 49.50	
	H-453/2 0-24	01	24.0	5.90	-	= 141.60	
	GE/07/TC/124/01/SA/01/A 0-28	01	28.0	4.0	-	= 112.0	
						385.40	

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Jakkus colony-crossroad 0-36	01
	At the rate of Rs. 90	

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

OOK

dth	Depth 6	Contents 167.40 7	*Reference to last Measurement 8
	-	= 94.50	
	-	= 25.30	
		119.80 sqm	
	-	= 105.0	
	-	= 60.0	
	-	= 66.0	
	-	= 11.20	
		242.20 sqm	
	-	= 67.2	
	-	= 36.40	
	-	= 70.80	
	-	= 49.50	
	-	= 141.60	
	-	= 112.0	
		385.40.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494328

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 385.40 7	Reference to last Measurement 8
	Jakkus colony - crossroad 0-36	01	36.0	4.0	- =	144.0	
						621.50 sqm	
					Total=	1150.90 sqm	
							103581.00
	At the rate of Rs. 90.0 →				Total=		2363083.50
						Rt.	20,43,147-00

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

AE(WT)
02/08/18

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Royalty charges:-		coarse		fine		
Sl. No.	Details		Coeff	Qty	Coeff	Qty	
03.	WMM - 98.38 cum		1.0	98.38	-	-	
04.	1:4:8 - 192.08 cum		0.96	184.39	0.48	92.19	
06.	CC - 153.66 cum		0.85	130.61	0.416	63.92	
	Total:			413.38		156.11	
	Abstract:-						
	1) Coarse aggregate: 413.38 x 108 = 44645.00						
	2) Fine- aggregate: 156.11 x 103 = 16079.33						
				60724.33		-	

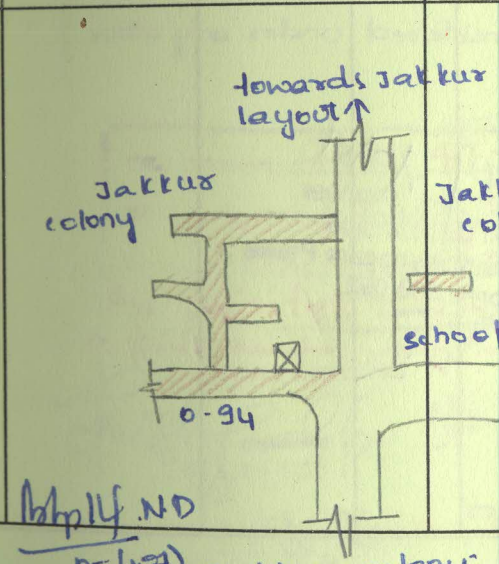
Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3



AE (WS) Jakkur colony.

T BOOK

ions		Contents	*Reference to last Measurement
Breadth 5	Depth 6	7	8
Dine.			
oeff	Qty		
–	–		
48	92.19		
416	63.92		
	156.11		
.00			
3			
33	–		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494329

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	towards Jakkur layout ↑				0-23m		
	Jakkur colony				0-24m		
	Jakkur colony				0-27m		
					0-28m		
	school						
	0-94						
	Agrahara temple						
	CC-road						
	Applied ND						
	AE (NL) Jakkur colony						
	Hoodi-layout						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:-						
	1) Certified that the contractor has completed the works satisfactorily.						
	2) Certified that debris has been removed from the work spot.						
	3) Certified that above said work is not considered under any other grants.						
	Pothuli.N.D AE(NM)						

Assistant Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

ENT BOOK

Dimensions			Contents	*Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
			completed the work satisfactorily.	
			moved from the work spot.	
			not considered under any other	

ssistant Engineer
Kodigehalli Sub-Division
t Bangalore Mahanagara Palike
Bangalore - 560 092

M. A. [illegible] 116)
Mea[illegible]ok

No. B 494330

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions: Number		Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
						Total Rs: 2043147-00	
						IT - 20431-00	
						Cess - 20431-00	
						CBF - 2043-00	
						LR - 44949-00	
						Adv. 87854:00	
						Cheque: 1955293-00	

2043147-00
87854-00
1955293-00